Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/29/2022 08:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124360	-1	1.34	124261	1.35
Blue	F	SSC	125000	123284	-2	2.84	123802	2.74
Blue	E	FITC	15860	15381	-4	2.25	374	13.74
Blue	D	PE	27718	27354	-2	1.74	636	10.45
Blue	B	PerCP-Cy5-5	38046	36959	-3	3.00	1008	14.89
Blue	A	PE-Cy7	26092	25640	-2	4.85	505	30.16
Red	C	APC	49104	48443	-2	2.77	1707	11.45
Red	A	APC-Cy7	28201	27278	-4	3.05	718	12.08
Violet	B	V450	9904	9372	-6	3.63	521	12.28
Violet	A	V500	39004	37529	-4	3.24	980	9.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23954	1.73	562	-7	N/A	N/A	Pass
Blue	F	SSC	55159	1.48	518	-10	N/A	N/A	Pass
Blue	E	FITC	57	55.60	488	-3	0.0469	114	Pass
Blue	D	PE	125	37.49	494	-2	0.3863	272	Pass
Blue	B	PerCP-Cy5-5	138	44.79	585	-4	0.0198	75	Pass
Blue	A	PE-Cy7	63	94.35	628	-4	0.0224	5	Pass
Red	C	APC	328	26.46	578	-3	0.0276	141	Pass
Red	A	APC-Cy7	95	41.82	550	-5	0.0065	1048	Pass
Violet	B	V450	85	53.91	459	1	0.0539	2655	Pass
Violet	A	V500	124	38.39	471	2	0.0231	2109	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.72	-31.53	1.11
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.45
Red	15.34	13.90 - 20.86	N/A	N/A	29.88	30.07	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 11460

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments